

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CONCENTRATOR FOR SPEECH TELEPHONES AND METHOD OF COMMUNICATION OVER LAN USING SAME

the specification of which

[ ] is attached hereto.

[ ] was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_

and was amended on \_\_\_\_\_ [if applicable].

[x] was filed under the Patent Cooperation Treaty on July 24, 1997.

Serial No. PCT/JP97/02566, the United States of America being designated.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent, utility model, design or inventor's certificate listed below and have also identified below any foreign application(s) for patent, utility model, design or inventor's certificate having a filing date before that of the application(s) on which priority is claimed:

Prior Foreign Application(s)		Priority Claimed		
Number	Country	Date Filed	Yes	No

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: George H. Spencer (Reg. No. 18,038), Norman N. Kunitz (Reg. No. 20,586), Robert J. Frank (Reg. No. 19,112), Gabor J. Kelemen (Reg. No. 21,016), Robert Kinberg (Reg. No. 26,924), John W. Schneller (Reg. No. 26,031), Ashley J. Wells (Reg. No. 29,847), Allen Wood (Reg. No. 28,134) Suite 300 East, 1100 New York Avenue, N.W., Washington, D.C. 20005-3955, Telephone: (202) 414-4000, Telefax: (202) 414-4040. Address all correspondence to VENABLE, Suite 300 East, 1100 New York Ave., N.W., Washington, D.C. 20005-3955.

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: Shinji Usuba Date: February 17, 1999.

Sole or First Joint Inventor: Shinji USUBA

Citizenship: Japanese

Residence and Post Office Address: c/o Oki Electric Industry Co., Ltd.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan.

Signature: Tomokazu Konishi Date: February 17, 1999.

Second Joint Inventor (if any): Tomokazu KONISHI

Citizenship: Japanese

Residence and Post Office Address: c/o Oki Electric Industry Co., Ltd.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan.

Signature: Yoshinori Sekine Date: February 17, 1999.

Third Joint Inventor (if any): Yoshinori SEKINE

Citizenship: Japanese

Residence and Post Office Address: c/o Oki Electric Industry Co., Ltd.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan.



UNITED STATES DEPARTMENT OF COMMERCE

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/15/1999

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
USUBA, SHINJI

DOC DATE: 02/17/1999

ASSIGNOR:  
KONISHI, TOMOKAZU

DOC DATE: 02/17/1999

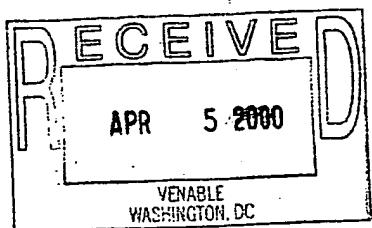
ASSIGNOR:  
SEKINE, YOSHINORI

DOC DATE: 02/17/1999

ASSIGNEE:  
OKI ELECTRIC INDUSTRY CO., LTD.  
7-12, TORANOMON 1-CHOME  
MINATO-KU, TOKYO, JAPAN

SERIAL NUMBER: 09254864  
PATENT NUMBER:

FILING DATE: 03/15/1999  
ISSUE DATE:



TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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MARYLAND  
WASHINGTON, D.C.  
VIRGINIA

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REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document.

1. Name of party conveying the interest:

Shinji USUBA; Tomokazu KONISHI; and Yoshinori SEKINE

2. Name and address of party receiving the interest:

OKI ELECTRIC INDUSTRY CO., LTD.  
7-12, Toranomon 1-chome  
Minato-ku, Tokyo, JAPAN

3. Description of the interest conveyed or transaction to be recorded:

Assignment  Other:

4. Application Number:

Document filed together with a patent application executed on  
February 17, 1999

09/254864

5. Address correspondence concerning this request to: VENABLE  
P.O. Box 34385, Washington, D.C. 20043-9998.

6. Number of Applications, Patents or Registrations and total fee:  
Patents: one patent right @ \$40 Total: \$40.00

7. Date of execution of document: February 17, 1999

8. If document is an assignment of a trademark right to an assignee who  
is not domiciled in the United States, such assignee has designated a  
domestic representative  
[ ] per attached designation [ ] other:

9. To the best of knowledge and belief of the undersigned, the foregoing  
information is true and correct and any attached copy is a true copy of  
the original document.

10. Date: March 15, 1999

*Robert J. Frank*

Name: Robert J. Frank

Registration Number: 19,112

RJF/njp

ASSIGNMENT  
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket

WHEREAS Shinji USUBA, Tomokazu KONISHI and Yoshinori SEKINE hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to CONCENTRATOR FOR SPEECH TELEPHONES AND METHOD OF COMMUNICATION OVER LAN USING SAME which said assignor has caused an application for United States Letters Patent to be prepared, [ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [ ] said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, Serial Number [if known] \_\_\_\_\_ [X] said application having been filed under the Patent Cooperation Treaty on July 24, 1997, Serial No. PCT/JP97/02566, the United States of America being designated.

AND WHEREAS Oki Electric Industry Co., Ltd.

of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 17<sup>S.U</sup> day of February, 1999.

WITNESSES:

Signature: Yoshinori Murakami  
Name: Yoshinori Murakami  
Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: Shinji Usuba  
Name: Shinji USUBA

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

ASSIGNMENT  
OF APPLICATION FOR UNITED STATES LETTERS PATENT  
Page 2

Attorney Docket

Title: CONCENTRATOR FOR SPEECH TELEPHONES AND METHOD OF COMMUNICATION OVER LAN USING SAME

EXECUTED, this 17th day of February, 1999.

WITNESSES:

Signature: Yoshinori Murakami  
Name: Yoshinori Murakami  
Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: Tomokazu Konishi  
Name: Tomokazu KONISHI

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

EXECUTED, this 17th day of February, 1999.

WITNESSES:

Signature: Yoshinori Murakami  
Name: Yoshinori Murakami  
Address: c/o Oki Electric Industry Co., Ltd.  
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: Yoshinori Sekine  
Name: Yoshinori SEKINE

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

WITNESSES:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

ASSIGNOR:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_